



Australian Government

Assessment Requirements for AHCARB802 Develop an urban forest management framework

Release: 1

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Modification History

Release	TP Version	Comment
1	AHCv1.0	Initial release

Performance Evidence

The candidate must be assessed on their ability to integrate and apply the performance requirements of this unit in a workplace setting. Performance must be demonstrated consistently over time and in a suitable range of contexts.

The candidate must provide evidence for and demonstrate:

- researching models of urban forest management
- establishing the key performance metrics and outcomes to be assessed incorporating specific parameters from the client brief
- determining the data sets to be collected required for objectives of managing the resources and needs of stakeholders
- analysing urban forest for resources
- determining agents and conditions affecting urban forest health
- analysing species spatially in target geographic areas using geographical information systems (GIS)
- determining canopy density targets
- determining outcomes in social, environmental, public health, economic, and aesthetic terms
- determining asset value of single tree and forest based on value criteria of client and relevant benchmarks
- performing cost-benefit analysis of forest assets
- analysing variation in asset value within relevant variables
- analysing and reviewing relevant policy documents for meeting performance metrics and desired outcomes
- determining statutory, liability and risk issues requiring consideration
- identifying stakeholder requirements and perceptions
- evaluating the extent of impact and outcomes of proposed policy documents
- creating policy determinations on tree assets and record as reports
- creating and document urban forest management policy
- developing appropriate conceptual framework for urban forest management
- determining the requirement for street tree master plans

- setting vision and objective statements
- determining quantifiable goals
- using tree inventory and mapping data management software as required
- establishing and maintain inventories and databases
- developing implementation and operational plans
- developing and document an urban forest management plan
- use of industry standard terminology to describe urban forest management.

Knowledge Evidence

The candidate must demonstrate knowledge of:

- models of urban forest management
- key performance metrics
- data sets
- urban forest resources analysis
- tree assets
- urban forest health
- spatial analysis of trees
- geographical information systems (GIS)
- canopy density targets
- outcomes in social, environmental, public health, economic, and aesthetic terms
- asset value of single tree
- asset value of forest
- value criteria
- relevant benchmarks
- cost-benefit analysis
- forest assets
- variation in asset value
- variables
- performance metrics
- stakeholder requirements and perceptions
- policy determinations
- urban forest management policy
- conceptual framework
- urban forest management
- street tree master plans
- vision statements
- statement of objectives
- quantifiable goals
- tree inventory
- mapping data
- mapping data management

- mapping data management software
- inventories and databases
- implementation plans
- operational plans
- urban forest management plans.

Assessment Conditions

Assessment must be demonstrated consistently over time in a suitable range of contexts and have a productivity-based outcome. No single assessment event or report is sufficient to achieve competency in this unit.

Assessment may be conducted in a simulated or real work environment, however determination of competency requires the application of work practices under work conditions.

The mandatory equipment and materials used to gather evidence for assessment include:

- equipment:
 - computer
 - word processing software
 - statistical software
 - internet connection
- materials:
 - urban forest management plan

Assessors must satisfy current standards for RTOs in the assessment of arboriculture units of competency.

Assessment must be conducted only by persons who have:

- urban forestry vocational competencies at least to the level being assessed
- current urban forestry skills directly relevant to the unit of competency being assessed

Links

Companion Volume implementation guides are found in VETNet -

<https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=c6399549-9c62-4a5e-bf1a-524b2322cf72>